

WHAT IS CLAIMED IS:

1. A catalyst particle comprising an active metal and a carrier composed of a carbon material, wherein said active metal is supported by cavities formed on a surface of said carrier and their edge portions.
- 5 2. The catalyst particle according to claim 1, wherein said carrier comprises a mesophase carbon.
3. The catalyst particle according to claim 1, wherein said carrier comprises at least one carbon material selected from the group consisting of cup-stacked-type carbon, carbon nanotubes, carbon nanofibers and
- 10 carbon nanohorns.
4. The catalyst particle according to claim 1, wherein said carrier comprises an activated carbon having a high cavity density and a large surface area.
5. The catalyst particle according to claim 1, wherein said cavities have an average diameter of 0.5 to 5 nm.
- 15 6. The catalyst particle according to claim 1, wherein said active metal comprises Ru, Pt or an alloy thereof.
7. The catalyst particle according to claim 1, wherein said catalyst particle is used for the dehydrogenation of alcohols.